

MIAMI-DADE COUNTY PRODUCT CONTROL SECTION

11805 SW 26 Street, Room 208 Miami, Florida 33175-2474 T (786) 315-2590 F (786) 315-2599

www.miamidade.gov/building

NOTICE OF ACCEPTANCE (NOA)

Town & Country Industries 400 West McNab Road Ft. Lauderdale, Florida 33309

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County BNC-Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. BNC reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the High Velocity Hurricane Zone of the Florida Building Code.

DESCRIPTION: 0.0615" (min.) Aluminum Storm Panels Shutter

APPROVAL DOCUMENT: Drawing No. 08-352, titled "0.0615" Aluminum Storm Panel ", sheets 1 through 6 of 6, prepared by Knezevich Associates Consulting Engineers, dated September 01, 2008, signed and sealed by V.J. Knezevich, P.E., on September 03, 2008 bearing the Miami-Dade County Product Control Renewal stamp with the Notice of Acceptance number and the expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

LABELING: Each panel shall bear a permanent label with the manufacturer's name or logo, city, state, the following statement: "Miami-Dade County Product Control Approved", and NOA number, per TAS-201, TAS-202, and TAS-203, unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA renews NOA # 09-0114.04 and consists of this page 1, evidence submitted pages E-1, E-2, and E-3 as well as approval document mentioned above.

The submitted documentation was reviewed by Helmy A. Makar, P.E., M.S.

MIAMIDADE COUNTY
APPROVED

Heling A. Mehr 06/09/2011

NOA No. 11-0428.04 Expiration Date: 07/19/2016 Approval Date: 06/09/2011 Page 1

Town & Country Industries

EVIDENCE SUBMITTED NOTICE OF ACCEPTANCE:

1. **EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL #00-1212.05**

A. **DRAWINGS**

Drawing no. 00-205, titled "0.0615" Aluminum Storm Pane ", prepared by Knezevich & Associates, Inc., dated December 8, 2000, last revision #1 dated May 24, 2001, sheets 1 through 6 of 6, signed and sealed by V. J. Knezevich, P.E.

В. TESTS

- 1. Test report on Large Missile Impact Test, Uniform Static Air Pressure Test and Cyclic Wind Pressure Test of 0.0615" aluminum storm panels, prepared by Construction Testing Corporation, Report No. CTC-00-038, dated November 7, 2000, signed and sealed by Yamil G. Kuri, P.E.
- 2. Letter from Construction Testing Corporation, for test report No. CTC-00-038, dated June 1. 2001, for the panel thickness, signed and sealed by George Dotzler.

C. **CALCULATIONS**

- 1. Comparative analysis and Anchor Analysis, dated December 8, 2000, pages 1 through 52, prepared by Knezevich and Associates, Inc., signed and sealed by V. J. Knezevich, P.E.
- 2. Revised Comparative analysis and Anchor Analysis, dated June 20, 2001, pages 1 through 4. prepared by Knezevich and Associates, Inc., signed and sealed by V. J. Knezevich, P.E.

D. **MATERIAL CERTIFICATIONS**

- Mill Certified Inspection Report of coils, not dated, for Aluminum Alloy 3004-H34 by Jupiter Aluminum Corp., with chemical composition and physical properties.
- 2. Tensile Test Report from Certified Testing Laboratories, Test Report # CTL - 799F dated August 28, 2000, for Aluminum sample #00-038, tested per ASTM E8-93, signed and sealed by Ramesh Patel, P.E.

2. **EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL # 03-0421.12**

A. **DRAWINGS**

1. Drawing No. 03-260, titled "0.0615" Aluminum Storm Panel ", sheets 1 through 6 of 6, prepared by Knezevich & Associates, Inc., dated April 04, 2003, last revision #1 dated September 23, 2003 signed and sealed by V.J. Knezevich, P.E.

TESTS В.

None. 1.

C. **CALCULATIONS**

None. 1.

D. **QUALITY ASSOURANCE**

By Miami-Dade County Building Code Compliance Office. 1.

Helmy A. Makar, P.E., M.S.

BNC, Product Control Unit Supervisor

NOA No. 11-0428.04 Expiration Date: 07/19/2016 Approval Date: 06/09/2011

Town & Country Industries

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

E. MATERIAL CERTIFICATIONS

1. None.

3. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL # 05-0713.02

A. DRAWINGS

1. Drawing No. 05-354, titled "0.0615" Aluminum Storm Panel", sheets 1 through 6 of 6, prepared by Thornton-Tomasetti Group, dated June 29, 2005, last revision #0 dated June 29, 2005 signed and sealed by V.J. Knezevich, P.E.

B. TESTS

1. None.

C. CALCULATIONS

1. Anchor Analysis, dated June 15, 2005, 31 pages, prepared by Thornton-Tomasetti Group, signed and sealed by V. J. Knezevich, P.E.

D. QUALITY ASSOURANCE

1. By Miami-Dade County Building Code Compliance Office.

E. MATERIAL CERTIFICATIONS

1. None.

4. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL #09-0114.04

A. DRAWINGS

1. Drawing No. 08-352, titled "0.0615" Aluminum Storm Panel", sheets 1 through 6 of 6, prepared by Knezevich Associates Consulting Engineers, dated September 01, 2008, signed and sealed by V.J. Knezevich, P.E., on September 03, 2008.

B. TESTS

1. None.

C. CALCULATIONS

1. Anchor Analysis, dated September 09, 2008, 19 pages, prepared by Knezevich Associates Consulting Engineers, dated September 01, 2008, signed and sealed by V.J. Knezevich, P.E., on September 03, 2008.

D. QUALITY ASSOURANCE

1. By Miami-Dade County Building Code Compliance Office.

E. MATERIAL CERTIFICATIONS

1. None.

Helmy A. Makar, P.E., M.S.

BNC, Product Control Unit Supervisor NOA No. 11-0428.04

Expiration Date: 07/19/2016 Approval Date: 06/09/2011

Town & Country Industries

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

5. NEW EVIDENCE SUBMITTED

A. DRAWINGS

1. None.

B. TESTS

1. Test report on Large Missile Impact Test and Cyclic Wind Pressure Test of 0.0615" aluminum storm panels, prepared by Hurricane Test Laboratory, LLC, Report No. 0353-0308-11, dated April 07, 2011, signed and sealed by Vinu J. Abraham, P.E.

C. CALCULATIONS

1. None.

D. QUALITY ASSOURANCE

1. By Miami-Dade County Building and Neighborhood Compliance Department (BNC).

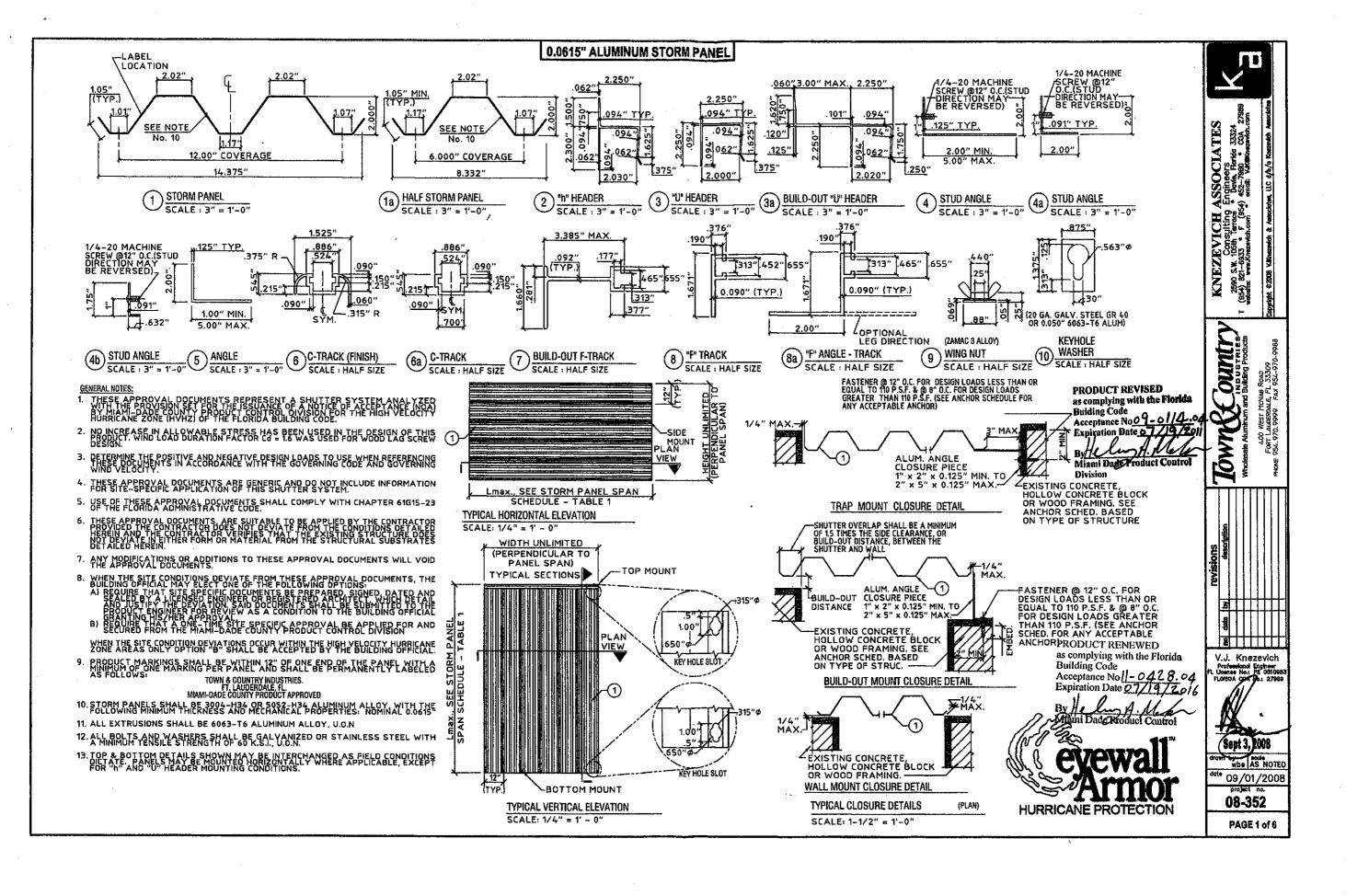
E. MATERIAL CERTIFICATIONS

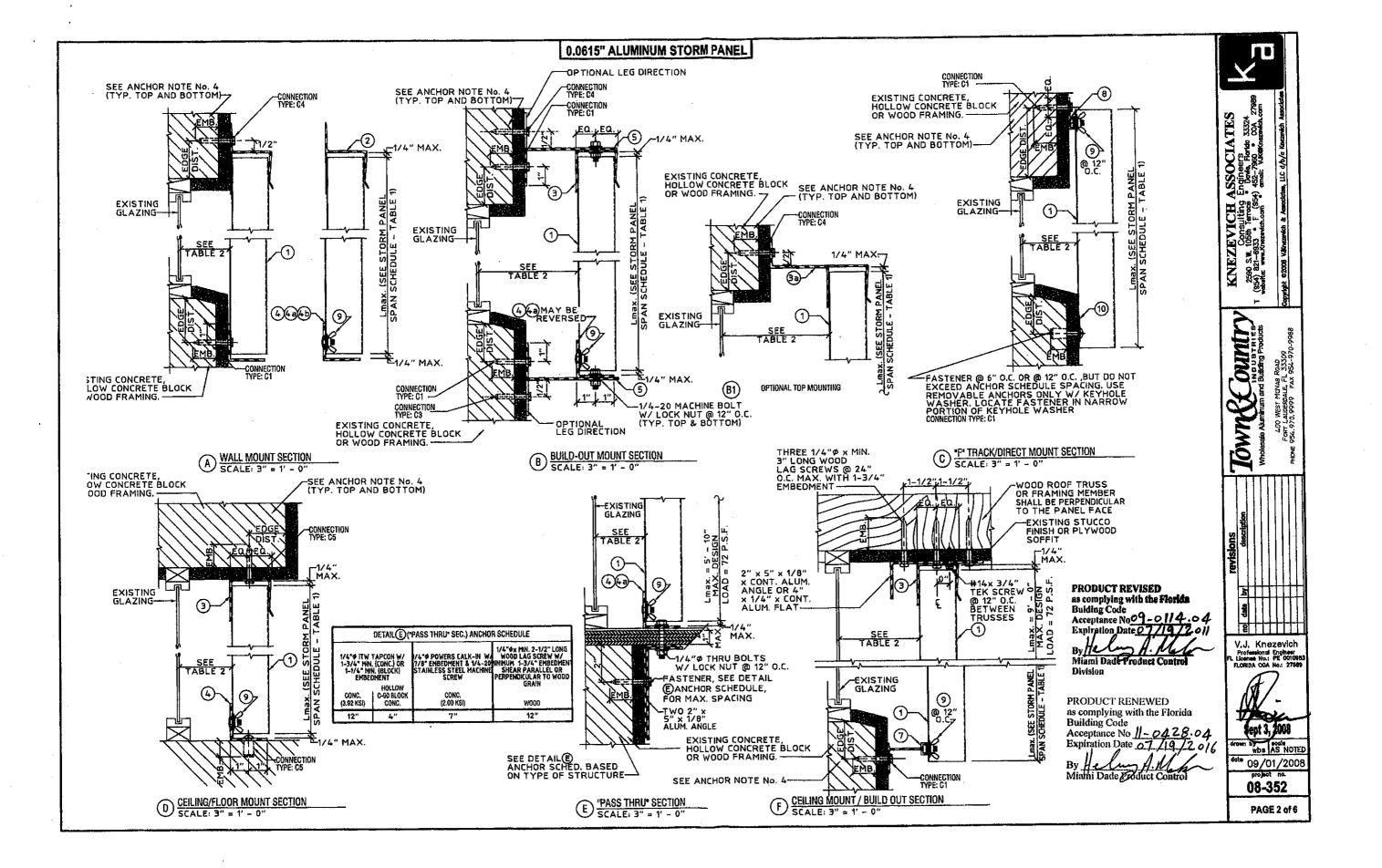
1. None.

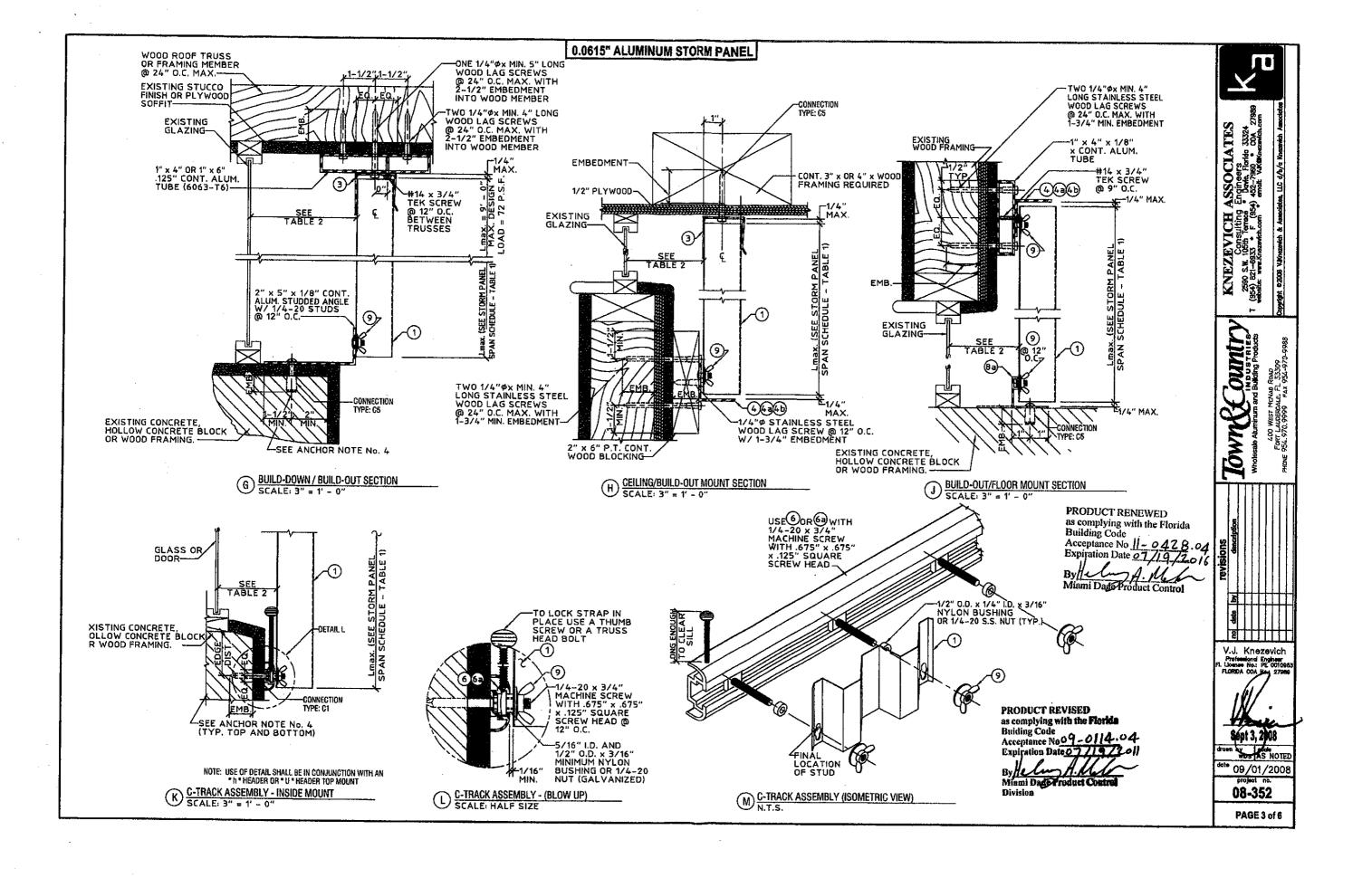
Helmy A. Makar, P.E., M.S.

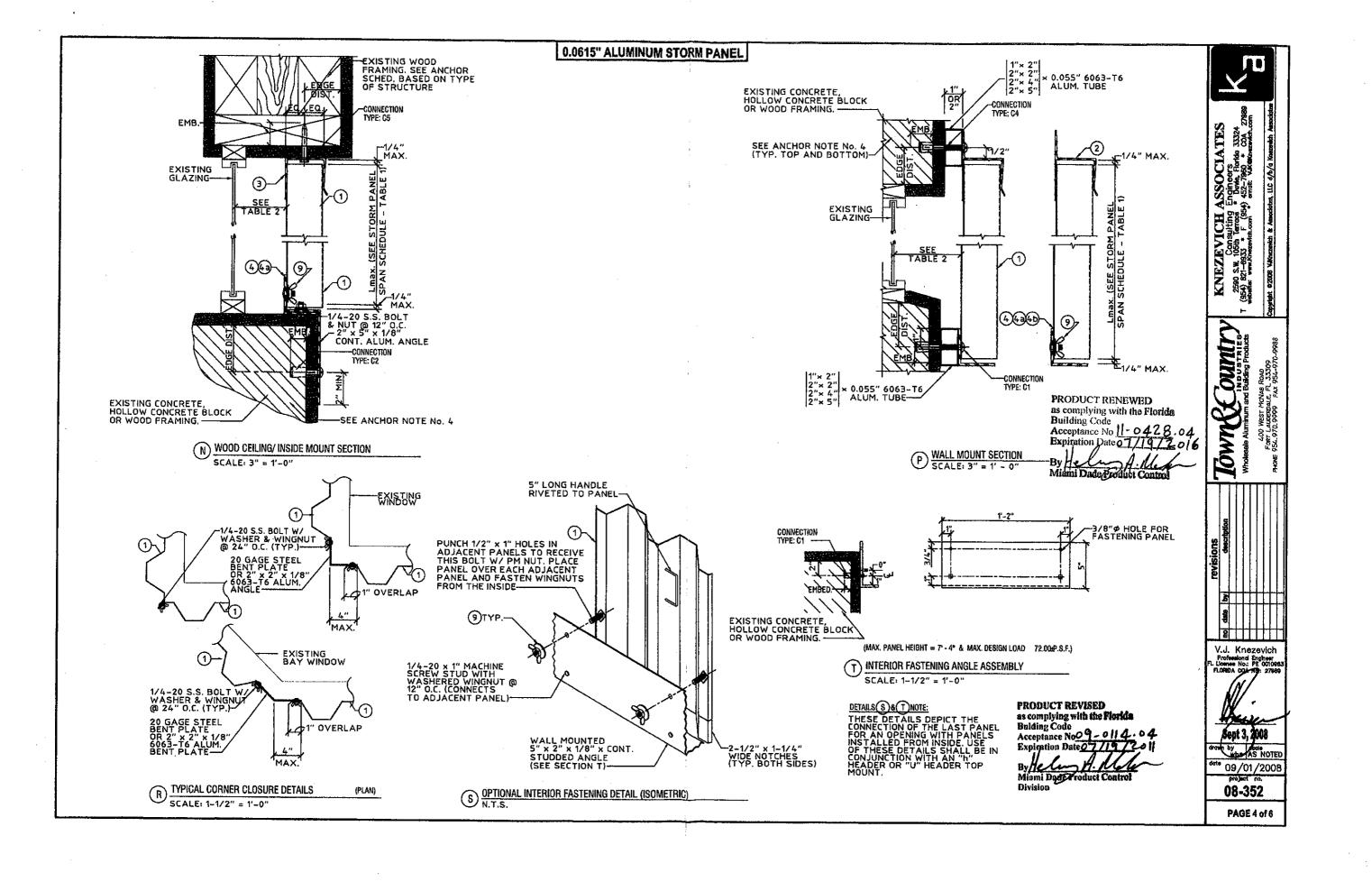
BNC, Product Control Unit Supervisor NOA No. 11-0428.04

> Expiration Date: 07/19/2016 Approval Date: 06/09/2011









0.0615" ALUMINUM STORM PANEL

	ANCHOR SCHEDULE							
<u> </u>	FASTENER MAXIMUM SPACING (INCHES) REQUIRED FOR VARIOUS DESIGN LOADS AND SPANS							1
١.,	,	LOAD	SPANS UP TO	SPANS UP TO	SPANS UP TO	SPANS UP TO	SPANS UP TO	SPANS UP TO
EXIST. STRUC.	1	(W) P.S.F.	6'-0" (SEE NOTE 1)	8'-8" (SEE NOTE 1)	12'-0'' (SEE NOTE 1)	6'-0''	8'-8''	12'0"
E	ANCHOR TYPE	MAX.	· · · · · · · · · · · · · · · · · · ·	MIN. 1" EDGE DISTANC		(SEE NOTE 1)	(SEE NOTE 1) N. 2 1/2" EDGE DISTAN	(SEE NOTE 1)
1 8	1	(SEE	CONNECTION TYPE	CONNECTION TYPE		CONNECTION TYPE	CONNECTION TYPE	CONNECTION TYPE
"		NOTE 1)	(SEE NOTE 3) C1 C2 C3 C4 C5	(SEE NOTE 3)	(SEE NOTE 3)	(SEE NOTE 3)	(SEE NOTE 3)	(SEE NOTE 3)
	GL	43.0	14 14 14 14 8	C1 C2 C3 C4 C5	C1 C2 C3 C4 C5	C1 C2 C3 C4 C5	C1 C2 C3 C4 C5	C1 C2 C3 C4 C5
1		30.0	14 14 14 14 6	14 14 14 14 4	14 8 14 14 3	14 14 14 14 14 14		14 12 14 14 9
	1/4" & ITW TAPCON W/ 1-3/4" MIN EMBEOMENT	72.0	14 14 14 14 4	ا کا ا	14 5 14 6 //	14 14 14 14 10		14 6 14 5 6
	CIDEOTICAL	84.0 150.0	14 11 14 14 4 14 5 14 6 //	14 6 14 7 14 5 14 6	14 5 14 6	14 13 14 14 9		14 6 14 6 6
	El	43.0	14 14 14 14 12	14 14 14 14 8	14 5 14 6 // 14 10 14 14 6	14 5 14 6 6 14 14 14 14 14		14 5 14 5 6
1	5 minimining	50.0	14 14 14 10	14 14 14 14 7	14 7 14 13 5	14 14 14 14 14	14 14 14 14 12 14 14 14 14 10	14 10 14 14 8 14 8 14 13 7
1	FIGURE TO ACOM DOTH A 11 CO	72.0	14 14 14 14 7		14 5 13 5 4	14 14 14 14 10		14 5 13 5 5
1	ELCO ULTRACON WITH 1/4"8 W/ 1-1/4" MIN. EMBEDMENT	84.0 150.0	14 10 14 14 6 14 5 13 5 4	··········· · · · · · · · · · · · · ·	14 5 13 5 4			14 5 19 5 5
1		1 150.0		14 5 13 5 4 N. 1 1/4" EDGE DISTAN	14 5 13 5 4			14 5 13 5 5
		43.0	14 14 14 14 9	14 14 14 14 6	14 7 14 14 4		IIN. 3" EDGE DISTANCE	
CONCRETE	^ 	50.0	14 14 14 14 8	14 10 14 14 5	13 5 13 9 4	14 14 14 14 14 14 14 14 14 14		14 12 14 14 10 14 9 14 14 9
일	1/4" ALL POINTS SOLID-SET ANCHO WITH 7/8" EMBEDMENT & 1/4-20		14 10 14 14 5	12 5 12 7 3	10 3 9 3 3	14 14 14 14 12	I. " II. II "	14 6 14 6 6
18	STAINLESS STEEL HACHNE SCREW	84.0 150.0	14 7 14 14 4 10 3 9 3 3	·	10 3 9 3 3			14 6 14 6 6
_		130.0		10 3 9 3 3 3 IIN. 2" EDGE DISTANCE	10 3 9 3 3			14 5 14 6 6
1	*	43.0	12 12 12 12 12		12 9 12 12 7	12 12 12 12 12	3.5. 3.5	
	*	50,0	12 12 12 12 12		12 7 12 12 6			12 12 12 12 9 12 9 12 12 7
	1/4"6 ELCO HALE/ FEMALE "PANELMATE" W/ 1-7/8" HIM EMBED, & 1/4-20 MACHINE SCREW WITH NUT	72.0 84.0	12 12 12 12 8 12 10 12 12 7		12 4 12 5 4			12 6 12 6 5
	EMBELL & 1/4-20 MACHINE SCREW	150.0			12 4 12 5 4 12 4 12 5 4			12 6 12 6 5
İ		43.0					,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	12 5 12 6 5 14 13 14 14 12
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ĺ	1/4"# ELCO CRETE FLEX W/ 1-3/4" MN. EMBEDMENT	72.0				14 14 14 14 14		14 7 14 7 7
]	I ANTA ET DEDMENT	84.0 150.0	////////	///X/X/X	///////////////////////////////////////	1 1 1	. 1 1 1	14 7 14 7 7
			M	IÑ. 1" ÉDGE DISTANCE	/////////////////////////////////////		14 7 14 7 7 7 1 2 1/2" EDGE DISTANO	14 7 14 7 7
		43.0	8 8 8 8 3	5 4 5 5	4///4 4//	14 14 14 14 7		7 3 7 7 3
1	5 - pontantantantan	50.0	7 7 7 7.3	5 5 5	777 7771		8 4 8 8 4	6 / 6 4 3
	1/4"P ITW TAPCON W/ 1-1/4" HIN. EMBEONENT	72.0 84.0	5 5 5		///////////////////////////////////////		5 // S 3 ///	4 // 4 ////
1		150.0		*// <i>}</i> */X/X/X		777 7777	5 / 5 /	4 // 4 ////
1		43.0	14 14 14 14 6	11 8 11 11 4	8 3 8 8 3		- //- ////	8 3 8 8 4
X		1 1	14 14 14 14 5	9 5 9 9 3	/// . ///	- -	- 1 1	7 // 7 5 3
BLOCK	ELCO ULTRACON WITH 1/4°8' W/ 1-1/4" HIN. EMBEDMENT	72.0 84.0	9 5 9 9 4 8 8 3	5 6 4	5///5////	1 1 1		5 ///5 ////
		150.0	- V// - V////	- '// '////	. /// . V///X	التنديدات لدد		5 // 5 ////
	51					-7/1 7////		5 // 5 /// 4 5 14 14 5
货				10 6 10 10 3	7 3 7 5			2 5 12 8 5
Š	1/274 FI CO (DETE ELEVISIA LIVA		1 1 1	7 3 7 4	. '// V////\		1 4 11 7 4 9	1 1
ರ	1/4"9 ELCO CRETE FLEX W/ 1-1/4" NIN. EMBEDMENT		//	5 5 5	// V////		9 3 8 3 3	
8 3				N. 2° EDGE DISTANCE	-77 87.77		9 3 8 3 3	
HOLLOW CONCRETE	*			4 14 14 14 8 1	4 7 14 14 5 2		N. 3" EDGE DISTANCE 4 14 14 14 10 1	4 8 14 14 7
오				4 11 14 14 5 1	4 6 14 10 4 1	4 14 14 14 12 1	4 12 14 14 B 1	1 1 :
	1/4" ALL POINTS SOLID-SET ANCHOR WITH 7/8" ENBEDMENT &			3 5 13 8 4 1			4 6 14 9 5 1	2 4 11 4 4
1	1/4-20 STAIHLESS STEEL MACHINE SCREW	1		1 4 11 5 4 10 0 4 10 4 3 1	1 1	4 9 14 14 7 1	[]:1:	1 51
Ī	*	_		2 12 12 12 5 1			2 4 11 4 4 1 2 12 12 12 6 1	2 4 11 4 4
	*		12 12 12 12 7 1	2 8 12 12 5 10		2 12 12 12 8 1		
ı	1/4* ELCO MALE/ FEMALE "PANELHATE" W/ 1-1/4" HAN ENGED. & 1/4-20 MACHINE SCREW WITH NUT			0 4 10 6 3 8		2 8 12 12 5 3	0 4 10 5 4	3 7 3 3
	EMBED. & 1/4-20 MACHINE SCREW			3 3 8 3 3 8 3 7 3 8		2 6 12 12 5	3 8 3 3 8	
			- // 1		1/17 3 //	3 7 3 3 4	3 3 7 3 3 8	3 7 3 3

ANCHOR SCHEDULE																	
FASTENER MAXIMUM SPACING (INCHES) REQUIRED FOR VARIOUS DESIGN LOADS AND SPANS																	
		LOAD		MIN. 3/4° EDGE DISTANCE									_				
🕱	ANCHOR TYPE	(W)	S	SPANS UP TO			SPANS UP TO				SPANS UP TO						
STRUC.		P.S.F.	6'-0"			8'-8"				12'-0"							
15	ANUMUN TIFE	MAX.	(SEE NOTE 1) CONNECTION TYPE			(SEE NOTE 1)				(SEE NOTE 1)							
EXIST		NOTE	(SEE NOTE 3)			CONNECTION TYPE (SEE NOTE 3)				CONNECTION TYPE (SEE NOTE 3)							
L		1)	C1				C5	C1				C 5	C1	[2	lca.	C4	65
	2" MIN. 114" ANNIN JE LONG LAG SCREW PARALLEL OR PEED, STEAR PARALLEL OR PEED, TO WDOO GRAIN	43.0	14		14	14	14	14	14	14	14	10	14	14	,	14	
1		50.0	14	14	14	14	13	14	14	14	14	9	14	13	14	14	6
1		72.0	14	14	14	14	9	14	12	14	14	6	14	8	14	9	5
İ		84.0	14	14	14	14	7	14	8.	14	11	5	14	8	14	9	5
1		150.0	14	8	14	9	5	14	8	14	9	5	14	8	14	9	5
_	7/6° WOOD BUSHING W/ 5/8° HIN ENBED 1 1/4-20 STANCESS STEEL	43.0	14	14	14	14		13	9	13	13	//	9	4	9	9	$/\!/$
18		50.0	14	14	14	14	//	11	6	11	11		8	3	8	5	//
WOOD		72.0	11	6	11	11	///	7	3	7	4		6		5	77	///
>	EMBED. 1/4-20 STAINLESS STEEL MACHINE SCREW	84.0	9	4	9	9		6	$\prime\prime\prime$	6	$/\!\!\!/\!\!\!/$	\mathbb{Z}	6		5	<u>///</u>	///
	* =	150.0	6	ZZ,	5 .	44	Z	6	//	5	///	4	6		5	$Z\!$	
J i	*	43.0	14	14	14	14	13	14	14	14	14	9	14	10	14	14	6
		50.0	14	14	14	14	22	14	14	14	14	8	14	7	14	13	5
	1/4" FLCO MALE/ FENALE "PANELMATE" W/1-7/8" HIN FMRED 2 1/4-70 MACHINE SCOTU	72.0 84.0	14	10	14	14	6	14	5	14	11	5	14	5	13	5	4
	EMBED. & 1/4-20 MACHINE SCREW WITH NUT	150.0	14	5	13	<u> </u>	4	14	5	13	-	4	14	5	13	5	4
		120.0	-,	-			7 1	ן דיב	ا ت	23	-	~ !	5~	. J	13	2	4

ANCHOR NOTES:

- SPANS AND LOADS SHOWN HERE ARE FOR DETERMINING ANCHOR SPACING ONLY. ALLOWABLE STORM PANEL SPANS FOR SPECIFIC LOADS MUST BE LIMITED TO THOSE SHOWN IN TABLE 1.
- 2. ENTER ANCHOR SCHEDULE BASED ON THE EXISTING STRUCTURE MATERIAL ANCHOR TYPE AND EDGE DISTANCE. SELECT DESIGN LOAD GREATER THAN OR EQUAL TO NEGATIVE DESIGN LOAD ON SHUTTER AND SELECT SPAN GREATER THAN OR EQUAL TO SHUTTER SPAN.
- 3. SEE MOUNTING SECTION DETAILS FOR IDENTIFICATION OF CONNECTION TYPE. EXISTING STRUCTURE MAY BE CONCRETE, HOLLOW CONCRETE BLOCK OR WOOD FRAMING. REFERENCE ANCHOR SCHEDULE FOR PROPER ANCHOR TYPE BASED ON TYPE OF EXISTING STRUCTURE.
- 5. ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURERS' RECOMMENDATIONS.
- 6. MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDES WALL FINISH OR STUCCO.
- 7. WHERE EXISTING STRUCTURE IS WOOD FRAMING, WOOD FRAMING CONDITIONS VARY, FIELD VERIFY THAT FASTENERS ARE INTO ADEQUATE WOOD FRAMING MEMBERS, NOT PLYWOOD. FASTENING TO PLYWOOD IS ACCEPTABLE ONLY FOR SIDE CLOSURE PIECES.

 8. WHERE LAG SCREWS FASTEN TO NARROW FACE OF STUD FRAMING, FASTENER SHALL BE LOCATED IN CENTER OF NOMINAL 2" x 4" (MIN.) WOOD STUD. 3/4" EDGE DISTANCE IS ACCEPTABLE FOR WOOD FRAMING, WOOD STUD. 3/4" SOUTHERN PINE" G=0.55 OR GREATER DENSITY. LAG SCREWS SHALL HAVE PHILLIPS PAN HEAD OR HEX HEAD.
- MACHINE SCREWS SHALL HAVE MINIMUM OF 1/2" ENGAGEMENT OF THREADS IN BASE ANCHOR AND MAY HAVE EITHER A PAN HEAD, TRUSS HEAD, OR WAFER HEAD (SIDEWALK BOLT), U.O.N.
- 10. DESIGNATES ANCHOR CONDITIONS WHICH ARE NOT ACCEPTABLE USES.
- 11. * DESIGNATES ANCHORS WHICH ARE REMOVABLE BY REMOVING MACHINE SCREW, NUT OR WASHERED WINGNUT.
- 12. ALL POINTS SOLID SET AND POWERS CALK-IN ANCHORS MAY ONLY BE USED IN CONCRETE WALLS, HOLLOW CONCRETE BLOCK WALLS OR CONCRETE SLABS
- 13. FOR ELCO CRETEFLEX SS4, CONCRETE STRENGTH, Fc=3.5 KSI. FOR ITW TAPCON, CONCRETE STRENGTH, Fc=3.2 KSI. FOR ALL OTHERS CONCRETE STRENGTH, Fc<= 3 KSI.

PRODUCT RENEWED as complying with the Florida Building Code Acceptance No 1-0428.04 Expiration Date 07/19/2016 Building Code

PRODUCT REVISED as complying with the Florida Acceptance No 9 - 0 1/4. 04 Expiration Date 1/19/2011 Miami Dad Froduct Control

Division

2590 S.W. 1 (954) 821—693 website Town Country
INDUSTRIES
Wheeles Aluminum and Building Products

2

V.J. Knezevich

09/01/2008

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0.0615" ALUMINUM STORM PANEL

T	MINIMUM STORM PANEL SEPARATION FROM GLASS								
A B L	POSITIVE DESIGN LOAD (W) (P.S.F.)	ACTUAL SPAN (L) (FT - IN)	COLUMN 1 MIN. SEP. FOR ALL INSTALLATIONS LESS THAN 30' ABOVE GRADE	COLUMN 2 MIN. SEP. FOR ALL INSTALLATIONS GREATEI THAN 30' ABOVE GRAD					
2	40.0 8-8		(INCHES)	(INCHES) 2					
-	50.0	8-8	4-1/8 3	3-1/8 2-1/4					
	60.0	10-2 8-8	4-1/8 3	3-1/8 2-3/8					
	70.0	9-8 4-0	4-1/8 3	3 1-3/8					
		8-8 9-4	3 4-1/8	2-5/8 3-1/8					
	80.0	4-0 8-11	3 4-1/8	1-3/8 3					
	90,0	4-0 8-4	3	1-3/8 2-3/4					
	100.0 4-0		3	1-3/8					
	110.0	4-0	3	1-3/8					
	120.0	6-9 3-0	3	2-1/8 1-3/8					
		6-3	3	1-7/8					

TABLE 1 NOTES:

- DETERMINE BOTH THE POSITIVE AND THE NEGATIVE WIND LOADS. CHECK THEIR RESPECTIVE SPANS AND USE THE LESSER SPAN VALUE OF THE TWO.
- 2. FOR DESIGN LOADS BETWEEN TABULATED VALUES USE NEXT HIGHER LOAD OR LINEAR INTERPOLATION MAY BE USED TO DETERMINE ALLOWABLE SPANS.

TABLE 2 NOTE:

ENTER TABLE 2 WITH POSITIVE DESIGN LOAD TO DETERMINE MIN. STORM SHUTTER SEPARATION FROM GLASS.

T A B L	MAX. ALLOWABLE STORM PANEL SPAN SCHEDULE							
1	POSITIVE OR NEGATIVE	SPANS						
	DESIGN LOAD (P.S.F.)	(FT = IN)						
	25.0	12'-0"						
	30.0	11'-5"						
	35.0	11'-0"						
	40.0	10'-7"						
	45.0	10'-4"						
	50.0	10'-0"						
	55.0	9'-10"						
1	60.0	9′-7″						
	62.0	9'-6"						
	65.0	9'-5"						
ļ	70.0	9'⊸1"						
	72.0	9'~0"						
	75.0	8'-9"						
	80.0	8'-3"						
	90.0	7'-4"						
	100.0	6'-7"						
	110.0	6'-0"						
1	120.0	5'-6"						
	130.0	5'-1"						
	140,0	5'-0"						
	150.0	5'-0"						

PRODUCT RENEWED as complying with the Florida Building Code Acceptance No 11-0428.04 Expiration Date 07/19/2016

By felin A. M. M. Miami Dade Product Control

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance NoO 9 - 0 | 4.04
Expiration Dateo 1 / 19 / 20 |

By Helicoff Control
Division

KNEZEVICH ASSOCIATES
ZSO S.W. 105th Terrore Engineers
(954) SET-0633 * F. (954) 462-7809 * Cot. Zubelle Vereine Vallementalisment (954) 462-7809 * Cot. Zubelle Vereine Vallementalisment Town Country INDUSTRIES V.J. Knezevich
Professional Engineer
Liberal No.: PE 001038
FLORIOA COA No.: #3030 09/01/2008

08-352

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